

## Proanthozone 10 For Cats & Small Dogs

**Proanthozone is a potent, bioflavanol-based antioxidant formula** for adult dogs and cats and is indicated for the nutritional management of conditions linked to oxidative stress, such as liver/kidney disease, skin disease, pancreatic and G.I. disorders, cardiovascular disorders and degenerative joint disease (DJD). Also useful as a nutritional support for compromised immune function.

**Effects of Oxidative Stress on Pets:** Free radicals are unstable molecules produced during normal biological processes such as breathing and the digestion of food. Free radicals are also the result of environmental factors including injury or infection. Once active, the free radical strips electrons from the molecules in many body tissues and cells causing oxidative stress. Free radical or oxidative damage has been linked to age related diseases including arthritis, cancer, kidney/liver disorders, immune system dysfunction and heart disease. In fact, aging itself is thought to be due in large part to oxidative disease and its influence over cellular health.

Antioxidants grab the highly reactive free radical and either remove it, neutralize it or pass the radical on to another antioxidant. Often, through a cascade of different enzymes, a free radical will pass through the body until it emerges as a harmless substance. Certain nutrients, such as bioflavanol, have the ability to neutralize or quench free radicals.

**When to give Proanthozone:** Bioflavanol is useful as a nutritional support for a variety of conditions. Because oxidative stress affects so many of the body's systems, Proanthozone can be applied in a number of ways.

**Proanthozone is best used in the form of immune system support.**

By optimizing immune responses, Proanthozone may protect against many diseases and degenerative conditions, such as skin problems, cardiovascular disorders, diabetes, dental disease, and cataracts. A strong immune system is especially important for older pets.

**Bioflavanol helps control allergies.**

Bioflavanol inhibits enzymes that promote histamine release, inflammation, and allergic reactions. This action makes Proanthozone useful for managing allergies and asthma.

**Bioflavanol helps protect the kidneys & liver from free radical damage.**

The kidneys and liver are very susceptible to oxidative damage and Proanthozone's powerful antioxidants help protect these vital organs.

**Bioflavanol is a chondroprotective agent.**

Bioflavanol protects joint tissues from destructive enzymes released during oxidative stress, such as at the site of an injury. Joint cartilage is mainly composed of collagen, and bioflavanol also helps strengthen these collagen fibers when they are damaged.

Veterinarians can use Proanthozone as nutritional support for animals with:

- Cataracts
- Skin problems - Anti-histamine effect
- Cardiovascular disease

- Surgical incisions or wounds
- Immune-mediated disease
- Diabetes/Diabetic retinopathy
- Kidney disease
- Pancreatitis
- Liver disease
- Dental disease
- Cancer
- Vascular problems

There are many disorders that can benefit from antioxidants. Studies have shown that oxidative damage to nerves can result in mental deterioration, oxidative damage to joint tissue can result in gait disturbances, and oxidative damage to cardiac tissues can result in cardiac arrhythmia or heart attack. Research has also shown that renal, hepatic, pulmonary, cardiovascular, neurological and ocular diseases can be slowed or prevented with adequate antioxidant therapy. For example, in rabbits, isolated heart muscle has been protected from ischemia/reperfusion injury in the presence of the potent antioxidant bioflavanol, which is the main component in Proanthozone.

Research has shown that bioflavanol from grape seed extract inhibits elastase and collagenase enzymes that continually work to break down connective tissue throughout an animal's body. At the same time, it helps repair broken collagen fibers by reconnecting them. In aging animals, the cumulative effect of these enzymes begins to manifest itself in capillary breakdown in kidney and eye tissue and in increased permeability of lung and gut tissue. Proanthozone may help an animal's body to repair or slow these developments of aging.

Antioxidants are best used, however, as a nutritional support for optimal health throughout a pet's life. Proanthozone maintains cellular antioxidant enzymes and provides direct free radical scavengers that help preserve the genetic integrity of original and new cells.

### **Dosage For Dogs & Cats:**

**Proanthozone 10:** The recommended maintenance dose for cats and small dogs up to 10 lbs is 1 capsule every day. For cats and small dogs 11 to 20 lbs give 2 capsules every day. The initial dose, when first starting this supplement is double the maintenance dose for the first 5 days.

**Proanthozone 20:** The recommended maintenance dose for dogs 10 to 20 lbs is 1 capsule every other day. For dogs 21 to 35 lbs give 1 capsule every day. For dogs 36 to 50 lbs give 2 capsules every day, for dogs 51 to 60 lbs give 2 capsules every day plus 1 additional capsule every other day. The initial dose, when first starting this supplement is double the maintenance dose for the first 5 days.

**Proanthozone 50:** The recommended maintenance dose for dogs 40 to 50 lbs is 1 capsule every other day. For dogs 51 to 70 lbs give 1 capsule every day. For dogs 71 to 90 lbs give 2 capsules every day and for dogs over 90 lbs give 2 capsules every day plus 1 additional capsule every other day. The initial dose, when first starting this supplement is double the maintenance dose for the first 5 days.

**When giving to cats:** We recommend opening the capsule and either sprinkling the liver flavored powder onto their food or mixing it into a small amount of wet food or some other treat, such as tuna.

**Response Time:** As this product is a nutritional supplement, significant response may not be noticeable for up to 3-4 weeks. Response depends on each animal.

If Proanthozone is not totally absorbed by the body, it would be eliminated by the kidneys, but only in trace amounts. There are no known side effects of Proanthozone and it can be given safely during pregnancy.

It is a rare occurrence, but should diarrhea be detected, it may be caused by a toxic cleansing initiated by the high nutrient value of Proanthozone. Once the cleansing is completed, the diarrhea should cease. In the few animals that have shown this response, the attending veterinarian has reduced the dosage and then successfully built it back up.

**Ingredients:** Proanthozone is a potent antioxidant supplement for dogs and cats. The main ingredient is bioflavanol from grape seed extract, but Proanthozone also contains:

- Manganese
- Vitamin E
- Zinc
- Cysteine
- Selenium
- Superoxide Dismutase (SOD)
- Vitamin A
- Glutathione